

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	11491	(slid\$3 or follow\$4) near10 (channel or slot or groove) near40 piston	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/25 06:44
L2	14405	(slid\$3 or follow\$4 or roll\$3) near10 (channel or slot or groove) near40 piston	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/25 06:45
L3	1163167	(plate or wall or loop or "figure 8" or "figure eight" or hourglass or "hour glass") near20 (channel or slot or groove)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/25 06:58
L4	6725	2 and 3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/25 06:47
L5	431	4 and ("figure 8" or "hour glass" or hourglass)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/25 06:47
L6	6031	(plate or wall or loop or "figure 8" or "figure eight" or hourglass or "hour glass" or lobe or ellip\$8) near20 (channel or slot or groove or recess) near30 (guide or follower or slid\$3 or roller) near200 piston	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/25 07:18
L7	3276	6 not 4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/25 07:18
L8	5859	6 not 5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/25 07:18

## EAST Search History

L9	181	(loop or "figure 8" or "figure eight" or hourglass or "hour glass" or lobe or ellip\$8) near20 (channel or slot or groove or recess) near30 (guide or follower or slid\$3 or roller) near200 piston	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/25 07:27
L10	708	(loop or "figure 8" or "figure eight" or hourglass or "hour glass" or lobe or ellip\$8 or (radius near2 carvature)) near20 (channel or slot or groove or recess or cam) near30 (guide or follower or slid\$3 or roller) near200 piston	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/25 07:28
L11	523	10 not (9 or 5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/25 07:28
L12	14	("3572209").URPN.	USPAT	OR	ON	2006/04/25 07:35
L13	47	("0852033"   "1190949"   "1630273"   "1730659"   "1735764"   "1775635"   "1795865"   "1863877"   "2120657"   "3274982"   "3311095"   "3482554"   "3572209"   "3931810"   "3948230"   "3964450"   "4011842"   "4026252"   "4128084"   "4301776"   "4331108"   "4334506"   "4381740"   "4459945"   "4545336"   "4584972"   "4727794"   "4791898"   "4848282"   "5375566"   "5553574"   "5560327"   "6039020"   "6164263").PN. OR ("6691648").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/25 07:52
L14	19	("1355451"   "1711260"   "1863877"   "1931401"   "3572209"   "3584610"   "3604402"   "4331108").PN. OR ("4545336").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/25 07:51
L15	20	("1122972"   "1485988"   "1711260"   "1765713"   "1829780"   "1863877"   "3274982").PN. OR ("4381740").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/25 07:41
L16	71	(13 or 14 or 15)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/25 07:52
L17	2	("1711260").URPN.	USPAT	OR	ON	2006/04/25 07:54

## EAST Search History

L18	4	("1730659").URPN.	USPAT	OR	ON	2006/04/25 07:55
L19	3	("1829780").URPN.	USPAT	OR	ON	2006/04/25 07:57
L20	3	("1931401").URPN.	USPAT	OR	ON	2006/04/25 07:58

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	17	ridge near30 (loop or "figure 8" or "figure eight" or hourglass or "hour glass" or lobe or ellip\$8) near30 piston	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/25 09:11

## EAST Search History

L1	403	("4974553" "5211138" "5228294" "5343832" "6199525" "5579731" "4401062" "4405288" "4522565" "5553574" "5813372" "5927243" "5479894" "5623895" "5458531" "6102771" "4290341" "5736491" "6260524" "5630351" "4437441" "5249506" "5462489" "6089833" "6161284" "5860402" "4762094" "4887562" "4274327" "4408577" "4926810" "5193493" "5429080" "5452689" "5537971" "5947074" "6155214" "6196176" "6196181" "6257179" "6408805" "6435145" "6601547" "6450138" "4463727" "4469012" "4084555" "4256018" "4331064" "4342290").pn. ("4346645" "4503754" "4539894" "4953524" "5179889" "5315967" "5390496" "5442971" "5839411" "6074083" "6102824" "6412273" "6494127" "4543919" "4932373" "6012905" "4957072" "5003935" "5832884" "5875748" "4510894" "4590761" "4781156" "4262579" "4934344" "5209462" "5613838" "5615586" "5749717" "6089195" "6244228" "6357397" "6091584" "6330125" "6224402" "6224402" "6852163" "5316227" "6935919" "4530415" "4910641" "3797237" "4254671" "4324208" "4359867" "4594077" "4793223" "4831919" "4905893" "4922231").pn. ("4976589" "5000127" "5259332" "5284117" "5329913" "5354101" "5517958" "5566654" "5603305" "5628288" "5638684" "5655491" "5673665" "5860401" "5901277" "6062195" "6086731" "6099268" "6104166" "6181432" "6388672" "6974313" "6151470" "5191298" "4522110" "3913455" "4561408" "4272459" "4420069" "4495905" "4526151" "4559455" "4803766" "4840155" "4884748" "4903525" "4995854" "5230314" "5333586" "5343842" "5345909" "5391119" "5601067" "5611304" "5632246" "5647327" "5655502" "5664472" "5725446" "5803033").pn. ("5826471" "5896845" "6033285" "6053208" "6397803" "4586881" "4625685" "4974554" "6030311" "4846049" "4612882" "4625683" "5683277" "6742482" "4346685" "4407515" "4556138" "4861228" "4881416" "4922149" "4959595" "5020647" "5224712" "5267872"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/25 14:51
4/25/06 2:53:46 PM	C:\Documents and Settings\inkamen\My Documents\EAST\Workspaces\mine.wsp					
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